

# MATHEMATICS YEAR 4

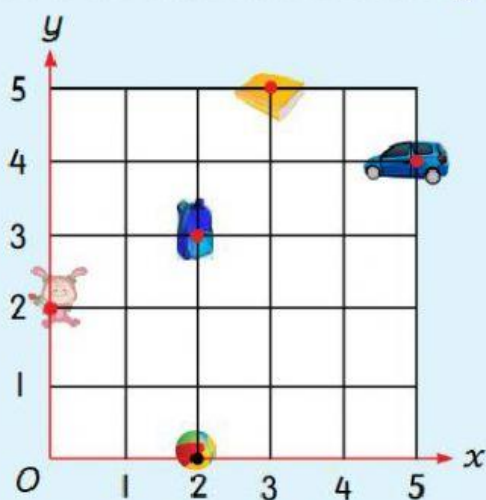
COORDINATES, RATIO AND PROPORTION  
PROBLEM SOLVING

WATCH THE VIDEO BELOW.

QUESTIONS FROM

## MATHEMATICS YEAR 4 TEXTBOOK PAGE 229

- 1** A Cartesian plane shows items sold in Goh's Shop. The price of the items are shown in the following table.



Item	Price
	RM24.00
	RM8.50
	RM6.00
	RM17.80
	RM9.00

- a** State the coordinate of:

**i) Ball**

- A (1, 2)
- B (2, 0)
- C (3, 0)
- D (0, 2)

**ii) Toy car**

- A (4, 5)
- B (2, 3)
- C (3, 2)
- D (5, 4)

- b Amalina bought the items situated at the coordinates of (0, 2), (3, 5) and (2, 3). Calculate the total payment.

A RM20.50

C RM34.20

B RM23.50

D RM38.50

- 2 The picture shows Shahir's pet cat. Chan has 3 cats more than Shahir. What is the ratio of the number of Shahir's cats to the number of Chan's cats?



A 1 : 3

C 4 : 1

B 3 : 1

D 1 : 4

- 3 The following table shows the length of blue and green wooden planks.

Colour of wooden plank	Blue	Green
Length of wooden plank	1 m	200 cm longer than the blue wooden plank

State the ratio of the length of the blue wooden plank to the length of the green wooden plank.

**Step 1 : Find of length of green wooden plank  
( convert the units)**

A 1 m + 200 cm

B 10 cm + 200 cm

C 100 cm + 200 cm

D 200 cm - 100 cm

**Step 2 :**

Ratio of the length of blue wooden plank to the length of the green wooden plank

A  $100 : 300$

B  $10 : 200$

C  $1 : 200$

D  $1 : 3$

**4** Victor drives his car at a regular speed of 240 km in 3 hours. What is the distance he travelled in 5 hours at the same speed?

**Step 1 : Find the distance for 1 hour**

A  $240 \div 5 = 48 \text{ km}$

B  $5 \div 200 = 48 \text{ km}$

C  $3 \div 240 = 80 \text{ km}$

D  $240 \div 3 = 80 \text{ km}$

**Step 2 : Find for 5 hours.**

A  $5 \times 80 = 400 \text{ km}$

B  $5 \times 48 = 240 \text{ km}$

C  $3 \times 80 = 240 \text{ km}$

D  $5 \times 15 = 75 \text{ km}$